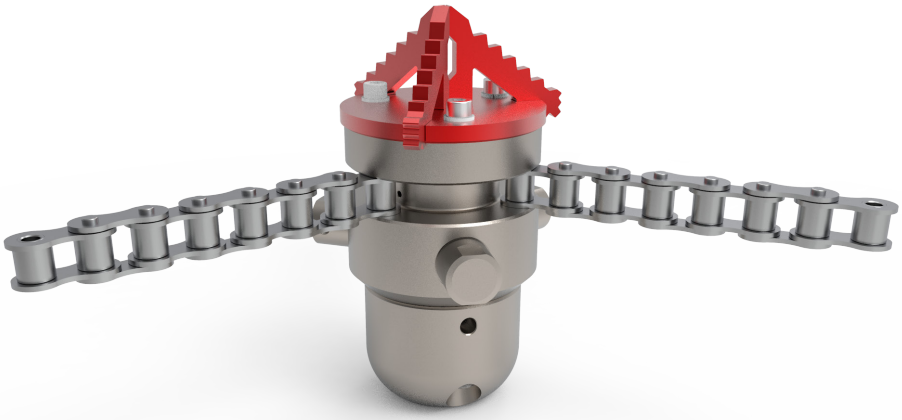
Technical Sheet

MANIAGO Root Cutter Nozzle



Stainless steel rotating nozzle with chains and 3-knives head.

Inlet: 1” F | Working DN: 200-600 mm. To be used with centralizer. The new Maniago root cutting nozzle is equipped with 3 side extensions that give the nozzle greater rotational force. It uses 3 pieces of link chain to be configured according to the working diameter.
It is supplied in a kit that includes nozzle with 3 knives, a 2.5 or 5 metre chain to be cut according to the different working diameters, assembly and maintenance tools. The nozzle must always be used with a special centring guide, to be dimensioned according to the working diameter.

For effective and efficient operation, the nozzles must be specially configured (with regard to the size of individual holes), depending on the characteristics of the pump (flow rate and pressure) and the cross-section, length and type of high-pressure hose. This information must be provided by the customer at the time of order and must be compatible with the technical specifications of each individual nozzle. The operator must choose a working pressure compatible with the pipeline conditions: high working pressure values could cause structural damage to the pipe walls.

TECHNICAL SPECIFICATIONS

Model		**Nozzle 4F**
Inlet		1” F
Ø x L	mm	120 x 170
Weight	kg	3,8 (*) 9,2 (**)
Rotation Jets		3 x 90° (M6C)
Rear Jets		4 x 20° (TE M10C)
Maximum Pressure	bar	250
Flow	lit/min	150 - 300
Working DN	mm	200 - 600
75000.42	#	3-KNIVES HEAD FOR MANIAGO V2
75001.18H	#	3/4' 12B-1 H REINFORCED IWIS 12BV-1 ROLLER CHAIN

(*) just the nozzle
(***) nozzle kit with plastic case, centralizer and chains of different size

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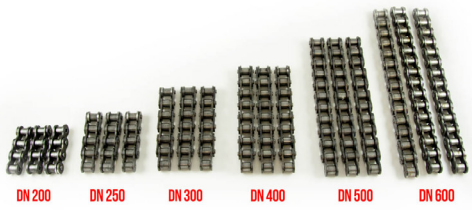
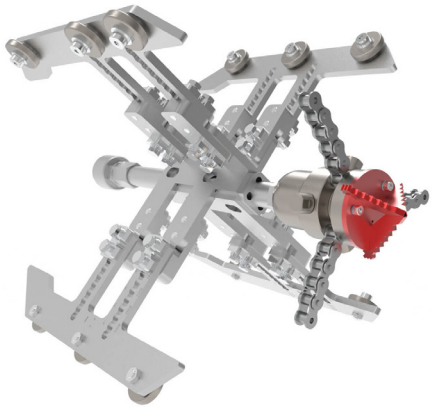
NOZZLES KIT

K25.RC04	MANIAGO 4F 1'' F BASIC ROOT CUTTING KIT Contains: – 4F stainless steel nozzle – 3-cutting edge head – assembly wrenches – plastic case. TO BE USED WITH CENTRALIZER
K25.RC05	MANIAGO 4F 1'' DN200-400 ROOT CUTTING KIT Contains: – link chains for working diameters between 200 and 400 mm – 4F stainless steel nozzle – 3-cutting edge head – 2,5 m of chain – assembly wrenches – plastic case. TO BE USED WITH CENTRALIZER
K25.RC06	MANIAGO 4F 1'' DN200-600 ROOT CUTTING KIT Contains: – link chains for working diameters between 200 and 600 mm – 4F stainless steel nozzle – 3-cutting edge head – 5 m of chain – assembly wrenches – plastic case. TO BE USED WITH CENTRALIZER
K25.RC3050	MANIAGO 4F 1"F HAND-HELD ROOT CUTTING KIT WITH GUIDE 300-500 Contains: – Maniago 4F nozzle in case – tools – 1''F DN 300-500 mm guide – DN300 mm chains – DN400 mm chains – DN500 mm chains TO BE USED WITH CENTRALIZER

CHAIN SETS

75000.04-KM200	Set of 3 chains DN200 w/screws
75000.04-KM250	Set of 3 chains DN250 w/screws
75000.04-KM300	Set of 3 chains DN300 w/screws
75000.04-KM400	Set of 3 chains DN400 w/screws
75000.04-KM500	Set of 3 chains DN500 w/screws
75000.04-KM600	Set of 3 chains DN600 w/screws



CENTRALIZERS

5025.03	EXPANDABLE CENTRALIZER 1" M - F 300 - 600 MM WITH STEPS
5025.01	EXPANDABLE GUIDE 1''M-F 225 – 600MM PANTOGRAPH